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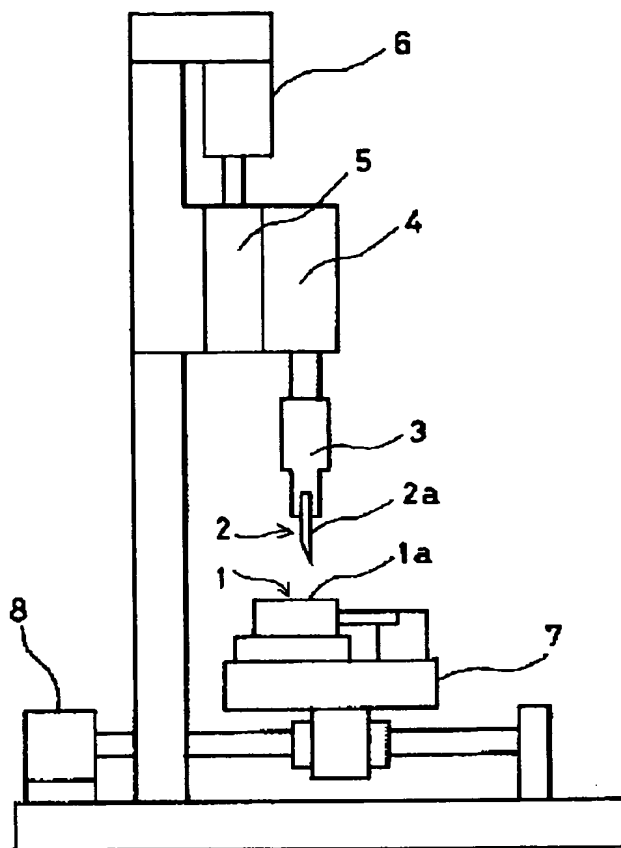
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TITLE : METHOD FOR CUTTING OF CERAMIC
MOLDED PRODUCT AND CUTTER
USED THEREFOR



ABSTRACT : PROBLEM TO BE SOLVED: To obtain excellent mass productivity since cutting can be precisely carried out, and cutting is easily operated by a method wherein ultrasonic vibration is given to a cutting edge, which penetrates a ceramic molded product to cut the ceramic molded product.

SOLUTION: A ceramic molded product 1 is placed on a table 1, the table 7 is transferred with a table transferring motor 8, and the ceramic molded product 1 is transferred to a specific cutting position. After stopping at the cutting position, a cutting edge 2 is lowered with a vertically driving servomotor 6. At a point of time when the cutting edge 2 comes in contact with the ceramic molded product 1, a current is applied to an ultrasonic vibrator 4 to generate ultrasonic vibration. Ultrasonic vibration of about 20kHz frequency and 5-15 μ m amplitude is given vertically onto an upper surface 1a of the ceramic molded product 1, which penetrates the ceramic molded product 1. The cutting edge 2 is lowered to a lower dead point applying ultrasonic vibration to cut the ceramic molded product 1.

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